

## Interpon Supaclear VP-188

## Product Data Sheet

**Product Description:** **Interpon Supaclear VP-188** is a TGIC cured Polyester based powder coating designed for the exterior environment and typically offers excellent long term light and weather resistance from a single coat finish on a variety of substrates. **Interpon Supaclear VP-188** is formulated to exhibit high levels of clarity and flow. **Interpon Supaclear VP-188** carries a number of automotive approvals for coating of aluminium wheels.

<b>Powder properties*:</b>	<b>Chemical type</b>	Polyester
	<b>Particle size</b>	Suitable for electrostatic spray
	<b>Specific gravity</b>	1.2 - 1.7 depending on colours
	<b>Storage</b>	Dry cool conditions (below) 25°C
	<b>Shelf Life</b>	12 months
	<b>Sales code</b>	JZ088Q
	<b>Stoving Schedule</b>	15 mins at 190°C or 10 mins at 200°C or 8 mins at 210°C (Object temperature)

**Film properties:** Mechanical, chemical and durability tests carried out on chromate conversion coated aluminium panels.  
All tests are performed on panels coated with 50 microns film of powder coating stoved for 10 minutes at 200°C (metal temperature).

<b>Mechanical tests*:</b>	<b>Flexibility</b>	(Bend Test) AS1580 402.1	Pass 6mm
	<b>Adhesion</b>	(2mm Crosshatch) AS1580 408.4	Classification 1 maximum
	<b>Erichsen Cupping</b>	BS3900-E4	Pass > 5mm
	<b>Pencil Hardness</b>	AS1580 405.1	F - minimum
	<b>Reverse Impact resistance</b>	AS3715 Section 2.5.8	Pass 2.5Nm

<b>Chemical and durability Tests*:</b>	<b>Salt Spray</b>	AS3715 Section 2.5.10	Pass 1000 hours - no corrosion creep more than 2mm from scribe
	<b>Humidity Resistance</b>	AS3715 Section 2.5.7	Pass at 500 hrs - no blistering or loss of adhesion
	<b>Distilled water immersion</b>	BS3900-F7 at 40°C	Pass - no blistering or loss of gloss after 240 hours
	<b>Exterior durability (1 year Allunga exposure at 45° North)</b>	Excellent – pass requirements of AS3715 after 12 months continuous exposure with no film breakdown or reduction in protective properties.	

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<b>Colour stability</b>	Excellent for continuous exposure up to 120°C.
<b>Solvent/Chemical</b>	Generally good resistance to acids, alkalis and oils at normal
<b>Resistance</b>	temperatures

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**Pretreatment:** For optimum coating performance the following pre-treatments are recommended prior to the application of **Interpon Supaclear VP-188**. The pre-treatment should be used in accordance with the supplier's recommendations.

A. Aluminium:	Multistage chrome chromate or chrome phosphate
B. Galvanised Steel:	Multistage zinc phosphate or chromate
C. Steel:	Multistage zinc or iron phosphate

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**Application:** **Interpon Supaclear VP-188** powder coatings can be applied by manual or automatic electrostatic spray equipment. Unused or over-sprayed powder can be reclaimed and recycled through the coating system. Make sure all application components are thoroughly cleaned as clear products have a tendency to show any contamination.

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**Additional Information:** **Interpon Supaclear VP-188** contains TGIC. Please refer to the **Interpon 600** MSDS for safe use practices.

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**Safety Precautions:** This product is intended for use only by professional applicators in industrial environments and should not be used without reference to the relevant health and safety data sheet which Akzo Nobel has provided to its customer. If for any reason a copy of the relevant health and safety data sheet is not immediately available the user should contact Akzo Nobel to obtain a copy before using the product. Minimum safety precautions in dealing with all powder coatings are as follows.

All dusts are respiratory irritants. Therefore, inhalation of the dust or of the vapours resulting from the cure should be avoided. Take steps to prevent skin contact, but should contact occur, wash skin with soap and water. In case of eye contact flush immediately with clean water and seek medical advice. Dust clouds of any finely divided organic material can be ignited with an electric spark or open flame. Dust and powder should not be allowed to build up on surfaces or ledges. Dust collection equipment should be used which has provision for adequate explosion release. All equipment should be electrically earthed to prevent build up of static. Users are recommended to follow the guidelines laid down in the AS3754:1990 "Safe Application of Powder Coatings by Electrostatic Spraying".

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**Disclaimer:** Unless otherwise agreed by us in writing, any contract to purchase products referred to in this brochure and any advice which we give in connection with the supply of products are subject to our standard conditions of sale. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

\* Typical minimum specifications. Performance may vary slightly between individual products.